

# Recovery Plan Action Status

Plan Name: Cumberland Sandwort

Plan Status: Final

Plan Date: 20-Jun-96

Lead Agency: USFWS

Lead Office: Tennessee Ecological Services Field Office

(931)

528-6481 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	1	1	Develop management plans	Ongoing Not Current	FY 2000 - FY 2004		National Park Service, Tennessee Department of Environment and Conservation, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Management: Planning	Internal Field Assistance, Species Expert	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	10	Characterize habitat	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Research: Habitat Requirements	Species Expert	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	11	Conduct long-term demographic studies	Not Started			National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Work type not yet selected	Labor type not yet selected	

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Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	12	Evaluate habitat alterations	Not Started			National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Work type not yet selected	Labor type not yet selected	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	13	Implement needed management	Ongoing Current	FY 2000 - FY 2004		National Park Service, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Work type not yet selected	Labor type not yet selected	TDEC received a showing success grant in FY2010 for installing protective measures at sites where recreational access poses a threat to Cumberland sandwort. Planning for this project will take place in 2011 and implementation will begin in winter 2011.
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	14	Maintain plants and seeds	Ongoing Current	Prior to FY 1995		U.S. Department of Agriculture, Center for Plant Conservation, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4	Research: Propagation	Species Expert	Seed accessions have been held at Missouri Botanical Garden since 07/30/1991. Cincinnati Zoo and Botanical Garden has raised plants in vitro and transplanted to a single site in Daniel Boone NF.

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Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	15	Enforce laws	Ongoing Current	FY 1995 - FY 1999		National Park Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Tennessee Department of Environment and Conservation, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Other: Law Enforcement	Internal Field Assistance	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	3	16	Reestablish populations, if necessary	Ongoing Current	FY 2000 - FY 2004		National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Management: Reintroduction	Species Expert	Costs unknown: tasks may not be necessary
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	3	17	Prepare news releases and brochures	Not Started			National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Other: Information and Education	Internal Field Assistance	

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Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	3	18	Prepare articles for journals and magazines	Not Started			National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Other: Information and Education	Internal Field Assistance	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	1	2	Prioritize sites and develop agreements	Not Started			National Park Service, Tennessee Department of Environment and Conservation, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Work type not yet selected	Labor type not yet selected	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	1	3	Evaluate protection alternatives	Ongoing Current	FY 2000 - FY 2004		National Park Service, Tennessee Department of Environment and Conservation, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Management: Planning	Internal Field Assistance, Species Expert	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	1	4	Protect sites from overuse	Ongoing Current	FY 2000 - FY 2004		National Park Service, Tennessee Department of Environment and Conservation, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Management: Habitat Maintenance and Manipulation	Internal Field Assistance, Species Expert	

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Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	1	5	Refine recovery criteria	Not Started			National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Work type not yet selected	Labor type not yet selected	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	1	6	Annually review recovery efforts and goals	Ongoing Current	FY 1995 - FY 1999		National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Work type not yet selected	Labor type not yet selected	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	7	Search for new populations and characterize known populations	Ongoing Current	FY 2000 - FY 2004		National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Research: Population Surveys	Contract	
Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	8	Protect sites from adverse timber management	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Management: Land Use	Internal Field Assistance	

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Cumberland sandwort ( <i>Arenaria cumberlandensis</i> )	2	9	Conduct baseline inventory	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	National Park Service, Tennessee Department of Environment and Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 4, Tennessee Division of Forestry	Research: Population Surveys	Species Expert	